

FIG. 1

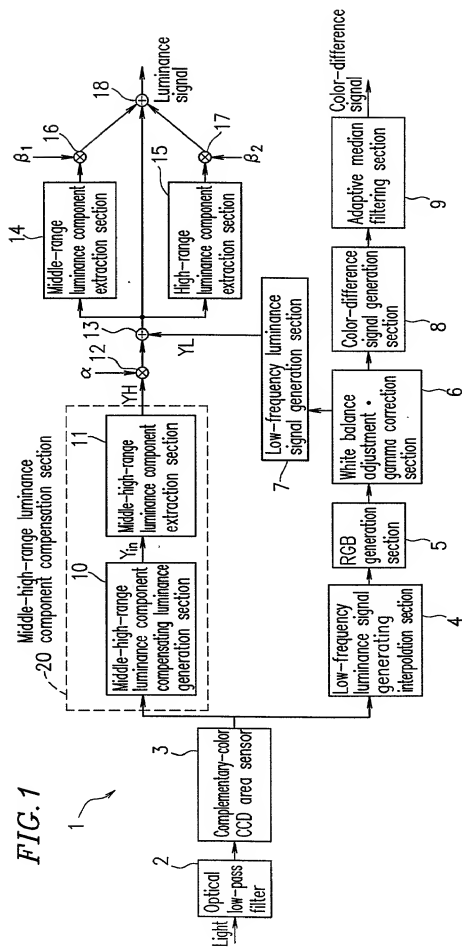


FIG. 2

		Δx					
Δy	\searrow	Ye	Cy	Ye	Cy	Ye	Cy
	\swarrow	Gr	Mg	Gr	Mg	Gr	Mg
		Ye	Cy	Ye	Cy	Ye	Cy
		Gr	Mg	Gr	Mg	Gr	Mg
		Ye	Cy	Ye	Cy	Ye	Cy
		Gr	Mg	Gr	Mg	Gr	Mg

Color array of
complementary-color filter

FIG. 3

Ye1	Cy2	Ye3
Gr4	Mg5	Gr6
Ye7	Cy8	Ye9
Gr10	Mg11	Gr12

Part of color array of
complementary-color filter of Fig. 2

FIG. 4

$\begin{smallmatrix} x \\ y \end{smallmatrix}$	1/2	1	1/2
1/2	1/4	1/2	1/4
1	1/2	1	1/2
1/2	1/4	1/2	1/4

YeCyGrMg complementary filter

FIG. 5A

$y \backslash x$	1/16	-3/16	10/16	10/16	-3/16	1/16
1/16	1/256	-3/256	10/256	10/256	-3/256	1/256
-3/16	-3/256	9/256	-30/256	-30/256	9/256	-3/256
10/16	10/256	-30/256	100/256	100/256	-30/256	10/256
10/16	10/256	-30/256	100/256	100/256	-30/256	10/256
-3/16	-3/256	9/256	-30/256	-30/256	9/256	-3/256
1/16	1/256	-3/256	10/256	10/256	-3/256	1/256

First YH extraction filter F1

FIG. 5B

$y \backslash x$	1/8	3/8	3/8	1/8
1/8	1/64	3/64	3/64	1/64
3/8	3/64	9/64	9/64	3/64
3/8	3/64	9/64	9/64	3/64
1/8	1/64	3/64	3/64	1/64

Second YH extraction filter F2

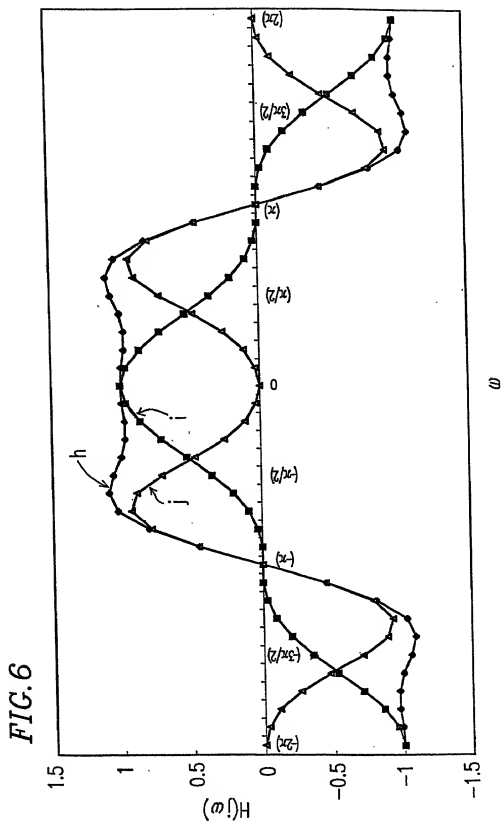


FIG. 7A

		-1		
		0		
-1	0	4	0	-1
		0		
		-1		

Middle-range luminance
component extraction filter

FIG. 7B

		-1	
-1	4	-1	
		-1	

High-range luminance
component extraction filter

FIG. 8

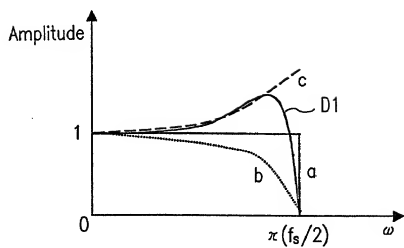


FIG. 9

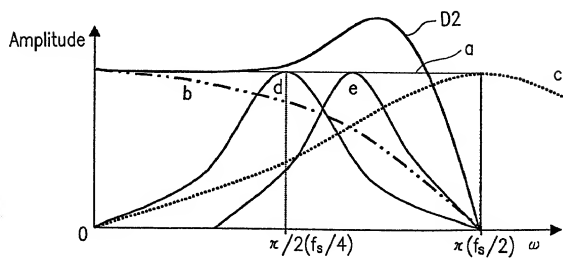


FIG. 10

1	-5	4	4	-5	1
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 (A)

-1	2	-1
----	---	----

 (B)

-1	0	2	0	-1
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 (C)

1	2	1
---	---	---

 (D)

1	1
---	---

 (E)

FIG. 11

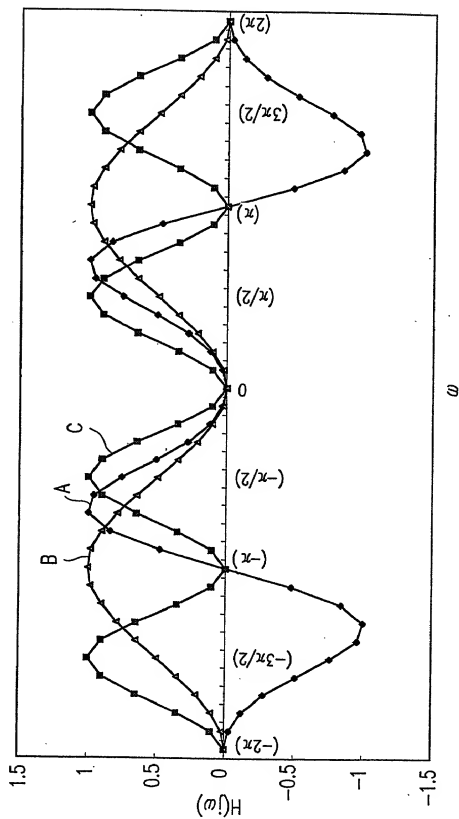
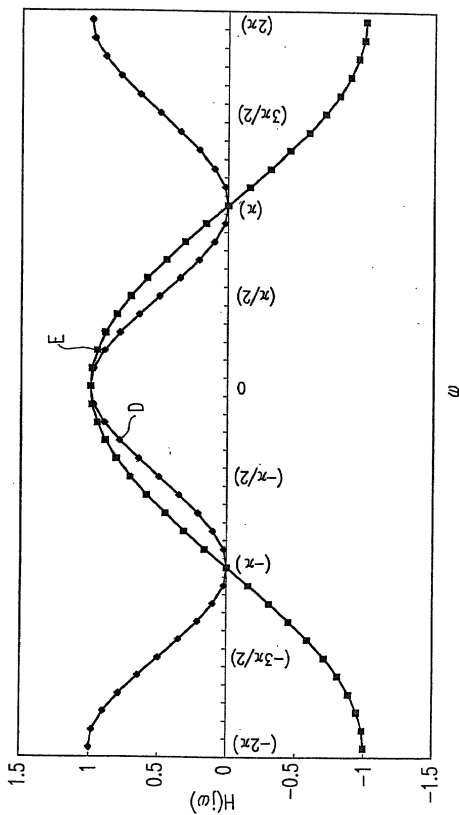


FIG. 12



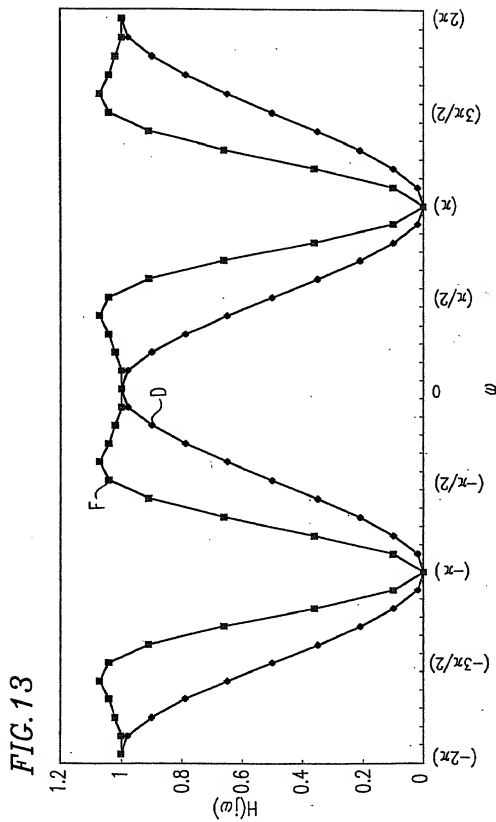


FIG. 14

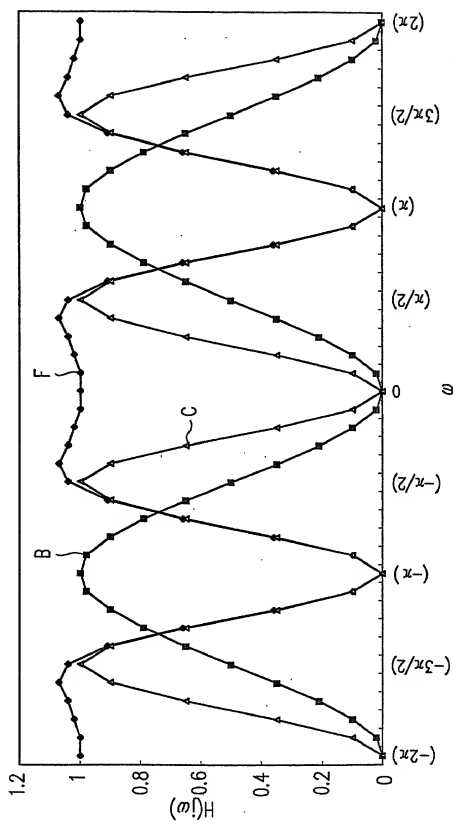
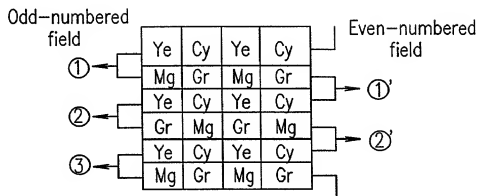


FIG. 15

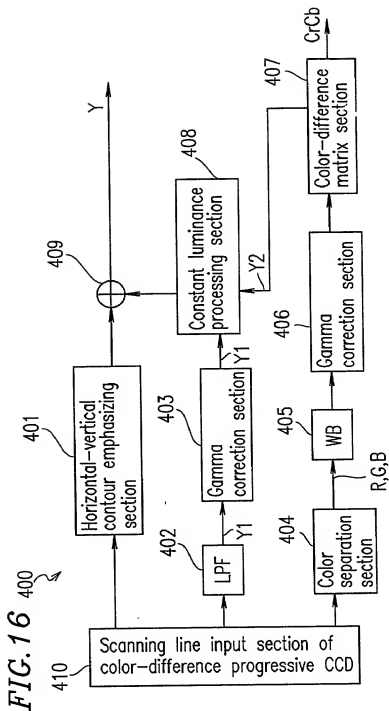


FIG. 17

1/256	-3/256	10/256	10/256	-3/256	1/256
-3/256	5/256	-42/256	-42/256	5/256	-3/256
10/256	-42/256	64/256	64/256	-42/256	10/256
10/256	-42/256	64/256	64/256	-42/256	10/256
-3/256	5/256	-42/256	-42/256	5/256	-3/256
1/256	-3/256	10/256	10/256	-3/256	1/256

0035738 00441
10200 004500